

## ABSTRACT OF THE DISCLOSURE

Stereo echo cancellation is necessary to overcome the objections observed by, for example, teleconferencing, voice controlled video/audio apparatuses, etc. To improve the existing filters, an adaptive filter is used along with a signal processing device which obtain the coefficient updates in the transformed domain, reducing the required calculation complexity. Further, the filter  
5 includes circuitry for reducing the correlation between the input signals on the coefficient updates.